

1           WHAT IS CLAIMED IS:

- 2           1.     An apparatus for measuring and displaying one or more hemodynamic parameters,  
3           comprising:  
4           a.     a portable body sized to be handheld;  
5           b.     a doppler ultrasound unit mounted in the body;  
6           c.     a display mounted in the body, said display being capable of displaying at  
7           least one measured hemodynamic parameter;  
8           d.     a transducer mounting assembly comprising at least one ultrasound  
9           transducer, wherein the mounting assembly is connected to the body such  
10          that the distance the mounting assembly and the body can be adjusted by a  
11          user using only one hand; and  
12          e.     a triggering mechanism connected to the doppler ultrasound unit.  
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14          2.     The apparatus of claim 1, wherein the transducer mounting assembly comprises an  
15          array of ultrasound transducers.  
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17          3.     The apparatus of claim 2, wherein the array is curved.  
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19          4.     The apparatus of claim 1, wherein the triggering mechanism is capable of actuating  
20          the doppler ultrasound unit.  
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22          5.     The apparatus of claim 1, wherein the mounting assembly is connected to the body  
23          by a wire.  
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25          6.     The apparatus of claim 1, wherein the triggering mechanism is connected to the  
26          transducer by a wire.  
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